

<110> Fiscella, et al.

<120> Extracellular Matrix Polynucleotides, Polypeptides, and Antibodies

<130> PT054P1

<140> Unassigned

<141> 2001-10-17

<150> PCT/US01/11643

<151> 2001-04-11

<150> 60/198,123

<151> 2000-04-18

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<170> PatentIn Ver. 2.0

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Asp	Leu	Ser	Tyr	Ser	Met	Lys	Asp	Asp	Leu	Trp	Ser	Ile	Gln	Asn	Leu
145			150						155			160			
Gly	Thr	Lys	Leu	Ala	Thr	Gln	Met	Arg	Lys	Leu	Thr	Ser	Asn	Leu	Arg
			165						170			175			
Ile	Gly	Phe	Gly	Ala	Phe	Val	Asp	Lys	Pro	Val	Ser	Pro	Tyr	Met	Tyr
			180			185						190			
Ile	Ser	Pro	Pro	Glu	Ala	Leu	Glu	Asn	Pro	Cys	Tyr	Asp	Met	Lys	Thr
195						200						205			
Thr	Cys	Leu	Pro	Met	Phe	Gly	Tyr	Lys	His	Val	Leu	Thr	Leu	Thr	Asp
210						215						220			
Gln	Val	Thr	Arg	Phe	Asn	Glu	Glu	Val	Lys	Lys	Gln	Ser	Val	Ser	Arg
225			230						235			240			
Asn	Arg	Asp	Ala	Pro	Glu	Gly	Gly	Phe	Asp	Ala	Ile	Met	Gln	Ala	Thr
			245			250						255			
Val	Cys	Asp	Glu	Lys	Ile	Gly	Trp	Arg	Asn	Asp	Ala	Ser	His	Leu	Leu
			260			265						270			
Val	Phe	Thr	Thr	Asp	Ala	Lys	Thr	His	Ile	Ala	Leu	Asp	Gly	Arg	Leu
275						280						285			
Ala	Gly	Ile	Val	Gln	Pro	Asn	Asp	Gly	Gln	Cys	His	Val	Gly	Ser	Asp
290						295			300						
Asn	His	Tyr	Ser	Ala	Ser	Thr	Thr	Met	Asp	Tyr	Pro	Ser	Leu	Gly	Leu
305			310						315			320			
Met	Thr	Glu	Lys	Leu	Ser	Gln	Lys	Asn	Ile	Asn	Leu	Ile	Phe	Ala	Val
			325			330						335			
Thr	Glu	Asn	Val	Val	Asn	Leu	Tyr	Gln	Asn	Tyr	Ser	Glu	Leu	Ile	Pro
			340			345						350			
Gly	Thr	Thr	Val	Gly	Val	Leu	Ser	Met	Asp	Ser	Ser	Asn	Val	Leu	Gln
355						360						365			
Leu	Ile	Val	Asp	Ala	Tyr	Gly	Lys	Ile	Arg	Ser	Lys	Val	Glu	Leu	Glu
370						375			380						
Val	Arg	Asp	Leu	Pro	Glu	Glu	Leu	Ser	Leu	Ser	Phe	Asn	Ala	Thr	Cys
385			390						395			400			
Leu	Asn	Asn	Glu	Val	Ile	Pro	Gly	Leu	Lys	Ser	Cys	Met	Gly	Leu	Lys
			405			410						415			

Ile	Gly	Asp	Thr	Val	Ser	Phe	Ser	Ile	Glu	Ala	Lys	Val	Arg	Gly	Cys		
			420					425					430				
Pro	Gln	Glu	Lys	Glu	Lys	Ser	Phe	Thr	Ile	Lys	Pro	Val	Gly	Phe	Lys		
		435					440					445					
Asp	Ser	Leu	Ile	Val	Gln	Val	Thr	Phe	Asp	Cys	Asp	Cys	Ala	Cys	Gln		
	450					455					460						
Ala	Gln	Ala	Glu	Pro	Asn	Ser	His	Arg	Cys	Asn	Asn	Gly	Asn	Gly	Thr		
465					470					475					480		
Tyr	Val	Cys	Gly	Leu	Cys	Glu	Cys	Ser	Pro	Gly	Tyr	Leu	Gly	Thr	Arg		
			485						490					495			
Cys	Glu	Cys	Gln	Asp	Gly	Glu	Asn	Gln	Ser	Val	Tyr	Gln	Asn	Leu	Cys		
			500					505					510				
Arg	Glu	Ala	Glu	Gly	Lys	Pro	Leu	Cys	Ser	Gly	Arg	Gly	Asp	Cys	Ser		
		515					520					525					
Cys	Asn	Gln	Cys	Ser	Cys	Phe	Glu	Ser	Glu	Phe	Gly	Lys	Ile	Tyr	Gly		
	530					535					540						
Pro	Phe	Cys	Glu	Cys	Asp	Asn	Phe	Ser	Cys	Ala	Arg	Asn	Lys	Gly	Val		
545					550					555					560		
Leu	Cys	Ser	Gly	His	Gly	Glu	Cys	His	Cys	Gly	Glu	Cys	Lys	Cys	His		
			565					570						575			
Ala	Gly	Tyr	Ile	Gly	Asp	Asn	Cys	Asn	Cys	Ser	Thr	Asp	Ile	Ser	Thr		
		580						585					590				
Cys	Arg	Gly	Arg	Asp	Gly	Gln	Ile	Cys	Ser	Glu	Arg	Gly	His	Cys	Leu		
	595					600						605					
Cys	Gly	Gln	Cys	Gln	Cys	Thr	Glu	Pro	Gly	Ala	Phe	Gly	Glu	Met	Cys		
	610					615					620						
Glu	Lys	Cys	Pro	Thr	Cys	Pro	Asp	Ala	Cys	Ser	Thr	Lys	Arg	Asp	Cys		
625					630					635					640		
Val	Glu	Cys	Leu	Leu	Leu	His	Ser	Gly	Lys	Pro	Asp	Asn	Gln	Thr	Cys		
			645						650					655			
His	Ser	Leu	Cys	Arg	Asp	Glu	Val	Ile	Thr	Trp	Val	Asp	Thr	Ile	Val		
		660						665					670				
Lys	Asp	Asp	Gln	Glu	Ala	Val	Leu	Cys	Phe	Tyr	Lys	Thr	Ala	Lys	Asp		
	675						680					685					
Cys	Val	Met	Met	Phe	Thr	Tyr	Val	Glu	Leu	Pro	Ser	Gly	Lys	Ser	Asn		
	690					695					700						
Leu	Thr	Val	Leu	Arg	Glu	Pro	Glu	Cys	Gly	Asn	Thr	Pro	Asn	Ala	Met		
705					710					715					720		
Thr	Ile	Leu	Leu	Ala	Val	Val	Gly	Ser	Ile	Leu	Leu	Val	Gly	Leu	Ala		
			725						730					735			

Leu Leu Ala Ile Trp Lys Leu Leu Val Thr Ile His Asp Arg Arg Glu
740 745 750

Phe Ala Lys Phe Gln Ser Glu Arg Ser Arg Ala Arg Tyr Glu Met Ala
755 760 765

Ser Asn Pro Leu Tyr Arg Lys Pro Ile Ser Thr His Thr Val Asp Phe
770 775 780

Thr Phe Asn Lys Phe Asn Lys Ser Tyr Asn Gly Thr Val Asp
785 790 795

<210> 9

<211> 315

<212> PRT

<213> Homo sapiens

<400> 9

Met Ala Asn Cys Ser Leu Tyr Arg Ser Cys Gly Asp Cys Leu Leu Ala
1 5 10 15

Arg Asp Pro Tyr Cys Ala Trp Ser Gly Ser Ser Cys Lys His Val Ser
20 25 30

Leu Tyr Gln Pro Gln Leu Ala Thr Arg Pro Trp Ile Gln Asp Ile Glu
35 40 45

Gly Ala Ser Ala Lys Asp Leu Cys Ser Ala Ser Ser Val Val Ser Pro
50 55 60

Ser Phe Val Pro Thr Gly Glu Lys Pro Cys Glu Gln Val Gln Phe Gln
65 70 75 80

Pro Asn Thr Val Asn Thr Leu Ala Cys Pro Leu Leu Ser Asn Leu Ala
85 90 95

Thr Arg Leu Trp Leu Arg Asn Gly Ala Pro Val Asn Ala Ser Ala Ser
100 105 110

Cys His Val Leu Pro Thr Gly Asp Leu Leu Leu Val Gly Thr Gln Gln
115 120 125

Leu Gly Glu Phe Gln Cys Trp Ser Leu Glu Glu Gly Phe Gln Gln Leu
130 135 140

Val Ala Ser Tyr Cys Pro Glu Val Val Glu Asp Gly Val Ala Asp Gln
145 150 155 160

Thr Asp Glu Gly Gly Ser Val Pro Val Ile Ile Ser Thr Ser Arg Val
165 170 175

Ser Ala Pro Ala Gly Gly Lys Ala Ser Trp Gly Ala Asp Arg Ser Tyr
180 185 190

Trp Lys Glu Phe Leu Val Met Cys Thr Leu Phe Val Leu Ala Val Leu
195 200 205

Leu Pro Val Leu Phe Leu Leu Tyr Arg His Arg Asn Ser Met Lys Val



210

215

220

Phe Leu Lys Gln Gly Glu Cys Ala Ser Val His Pro Lys Thr Cys Pro
225 230 235 240

Val Val Leu Pro Pro Glu Thr Arg Pro Leu Asn Gly Leu Gly Pro Pro
245 250 255

Ser Thr Pro Leu Asp His Arg Gly Tyr Gln Ser Leu Ser Asp Ser Pro
260 265 270

Pro Gly Ser Arg Val Phe Thr Glu Ser Glu Lys Arg Pro Leu Ser Ile
275 280 285

Gln Asp Ser Phe Val Glu Val Ser Pro Val Cys Pro Arg Pro Arg Val
290 295 300

Arg Leu Gly Ser Glu Ile Arg Asp Ser Val Val
305 310 315

<210> 10

<211> 375

<212> PRT

<213> Homo sapiens

<400> 10

Met Glu Phe Glu Ile Thr Phe Arg Pro Asp Ser Gly Asp Gly Val Leu
1 5 10 15

Leu Tyr Ser Tyr Asp Thr Gly Ser Lys Asp Phe Leu Ser Ile Asn Leu
20 25 30

Ala Gly Gly His Val Glu Phe Arg Phe Asp Cys Gly Ser Gly Thr Gly
35 40 45

Val Leu Arg Ser Glu Asp Pro Leu Thr Leu Gly Asn Trp His Glu Leu
50 55 60

Arg Val Ser Arg Thr Ala Lys Asn Gly Ile Leu Gln Val Asp Lys Gln
65 70 75 80

Lys Ile Val Glu Gly Met Ala Glu Gly Gly Phe Thr Gln Ile Lys Cys
85 90 95

Asn Thr Asp Ile Phe Ile Gly Gly Val Pro Asn Tyr Asp Asp Val Lys
100 105 110

Lys Asn Ser Gly Val Leu Lys Pro Phe Ser Gly Ser Ile Gln Lys Ile
115 120 125

Ile Leu Asn Asp Arg Thr Ile His Val Lys His Asp Phe Thr Ser Gly
130 135 140

Val Asn Val Glu Asn Ala Ala His Pro Cys Val Arg Ala Pro Cys Ala
145 150 155 160

His Gly Gly Ser Cys Arg Pro Arg Lys Glu Gly Tyr Asp Cys Asp Cys
165 170 175

P00001 "CHES600"

Pro Leu Gly Phe Glu Gly Leu His Cys Gln Lys Ala Ile Ile Glu Ala
180 185 190

Ile Glu Ile Pro Gln Phe Ile Gly Arg Ser Tyr Leu Thr Tyr Asp Asn
195 200 205

Pro Asp Ile Leu Lys Arg Val Ser Gly Ser Arg Ser Asn Val Phe Met
210 215 220

Arg Phe Lys Thr Thr Ala Lys Asp Gly Leu Leu Leu Trp Arg Gly Asp
225 230 235 240

Ser Pro Met Arg Pro Asn Ser Asp Phe Ile Ser Leu Gly Leu Arg Asp
245 250 255

Gly Ala Leu Val Phe Ser Tyr Asn Leu Gly Ser Gly Val Ala Ser Ile
260 265 270

Met Val Asn Gly Ser Phe Asn Asp Gly Arg Trp His Arg Val Lys Ala
275 280 285

Val Arg Asp Gly Gln Ser Gly Lys Ile Thr Val Asp Asp Tyr Gly Ala
290 295 300

Arg Thr Gly Lys Ser Pro Gly Met Met Arg Gln Leu Asn Ile Asn Gly
305 310 315 320

Ala Leu Tyr Val Gly Gly Met Lys Glu Ile Ala Leu His Thr Asn Arg
325 330 335

Gln Tyr Met Arg Gly Leu Val Gly Cys Ile Ser His Phe Thr Leu Ser
340 345 350

Thr Asp Tyr His Ile Ser Leu Val Glu Asp Ala Val Asp Gly Lys Asn
355 360 365

Ile Asn Thr Cys Gly Ala Lys
370 375

<210> 11
<211> 211
<212> PRT
<213> Homo sapiens

<400> 11
Gln Ile Ser Ala Ala Asp Leu Asp Ser Pro Ala Ser Pro Ile Arg Tyr
1 5 10 15

Ser Ile Leu Pro His Ser Asp Pro Glu Arg Cys Phe Ser Ile Gln Pro
20 25 30

Glu Glu Gly Thr Ile His Thr Ala Ala Pro Leu Asp Arg Glu Ala Arg
35 40 45

Ala Trp His Asn Leu Thr Val Leu Ala Thr Glu Leu Asp Ser Ser Ala
50 55 60

Gln Ala Ser Arg Val Gln Val Ala Ile Gln Thr Leu Asp Lys Asn Asp
65 70 75 80

Arg Ala Ser Leu Tyr Gly Pro Asn Ile Gly Arg Pro Arg Lys Asn Val
145 150 155 160

Ile Ala Leu Leu Asp Gly Phe Met Lys Val Ala Gly Ser Thr Val Asp
165 170 175

Ala Val Thr Trp Gln His Cys Tyr Ile Asp Gly Arg Val Val Lys Val
180 185 190

Met Asp Phe Leu Lys Thr Arg Leu Leu Asp Thr Leu Ser Asp Gln Ile
195 200 205

Arg Lys Ile Gln Lys Val Val Asn Thr Tyr Thr Pro Gly Lys Lys Ile
210 215 220

Trp Leu Glu Gly Val Val Thr Thr Ser Ala Gly Gly Thr Asn Asn Leu
225 230 235 240

Ser Asp Ser Tyr Ala Ala Gly Phe Leu Trp Leu Asn Thr Leu Gly Met
245 250 255

Leu Ala Asn Gln Gly Ile Asp Val Val Ile Arg His Ser Phe Phe Asp
260 265 270

His Gly Tyr Asn His Leu Val Asp Gln Asn Phe Asn Pro Leu Pro Asp
275 280 285

Tyr Trp Leu Ser Leu Leu Tyr Lys Arg Leu Ile Gly Pro Lys Val Leu
290 295 300

Ala Val His Val Ala Gly Leu Gln Arg Lys Pro Arg Pro Gly Arg Val
305 310 315 320

Ile Arg Asp Lys Leu Arg Ile Tyr Ala His Cys Thr Asn His His Asn
325 330 335

His Asn Tyr Val Arg Gly Ser Ile Thr Leu Phe Ile Ile Asn Leu His
340 345 350

Arg Ser Arg Lys Lys Ile Lys Leu Ala Gly Thr Leu Arg Asp Lys Leu
355 360 365

Val His Gln Tyr Leu Leu Gln Pro Tyr Gly Gln Glu Gly Leu Lys Ser
370 375 380

Lys Ser Val Gln Leu Asn Gly Gln Pro Leu Val Met Val Asp Asp Gly
385 390 395 400

Thr Leu Pro Glu Leu Lys Pro Arg Pro Leu Arg Ala Gly Arg Thr Leu
405 410 415

Val Ile Pro Pro Val Thr Met Gly Phe Phe Val Val Lys Asn Val Asn
420 425 430

Ala Leu Ala Cys Arg Tyr Arg
435

<210> 13
 <211> 592
 <212> PRT
 <213> Homo sapiens

<400> 13

Met	Arg	Val	Leu	Cys	Ala	Phe	Pro	Glu	Ala	Met	Pro	Ser	Ser	Asn	Ser	1	5	10	15
Arg	Pro	Pro	Ala	Cys	Leu	Ala	Pro	Gly	Ala	Leu	Tyr	Leu	Ala	Leu	Leu	20	25	30	
Leu	His	Leu	Ser	Leu	Ser	Ser	Gln	Ala	Gly	Asp	Arg	Arg	Pro	Leu	Pro	35	40	45	
Val	Asp	Arg	Ala	Ala	Gly	Leu	Lys	Glu	Lys	Thr	Leu	Ile	Leu	Leu	Asp	50	55	60	
Val	Ser	Thr	Lys	Asn	Pro	Val	Arg	Thr	Val	Asn	Glu	Asn	Phe	Leu	Ser	65	70	75	80
Leu	Gln	Leu	Asp	Pro	Ser	Ile	Ile	His	Asp	Gly	Trp	Leu	Asp	Phe	Leu	85	90	95	
Ser	Ser	Lys	Arg	Leu	Val	Thr	Leu	Ala	Arg	Gly	Leu	Ser	Pro	Ala	Phe	100	105	110	
Leu	Arg	Phe	Gly	Gly	Lys	Arg	Thr	Asp	Phe	Leu	Gln	Phe	Gln	Asn	Leu	115	120	125	
Arg	Asn	Pro	Ala	Lys	Ser	Arg	Gly	Gly	Pro	Gly	Pro	Asp	Tyr	Tyr	Leu	130	135	140	
Lys	Asn	Tyr	Glu	Asp	Asp	Ile	Val	Arg	Ser	Asp	Val	Ala	Leu	Asp	Lys	145	150	155	160
Gln	Lys	Gly	Cys	Lys	Ile	Ala	Gln	His	Pro	Asp	Val	Met	Leu	Glu	Leu	165	170	175	
Gln	Arg	Glu	Lys	Ala	Ala	Gln	Met	His	Leu	Val	Leu	Leu	Lys	Glu	Gln	180	185	190	
Phe	Ser	Asn	Thr	Tyr	Ser	Asn	Leu	Ile	Leu	Thr	Ala	Arg	Ser	Leu	Asp	195	200	205	
Lys	Leu	Tyr	Asn	Phe	Ala	Asp	Cys	Ser	Gly	Leu	His	Leu	Ile	Phe	Ala	210	215	220	
Leu	Asn	Ala	Leu	Arg	Arg	Asn	Pro	Asn	Asn	Ser	Trp	Asn	Ser	Ser	Ser	225	230	235	240
Ala	Leu	Ser	Leu	Leu	Lys	Tyr	Ser	Ala	Ser	Lys	Lys	Tyr	Asn	Ile	Ser	245	250	255	
Trp	Glu	Leu	Gly	Asn	Glu	Pro	Asn	Asn	Tyr	Arg	Thr	Met	His	Gly	Arg	260	265	270	
Ala	Val	Asn	Gly	Ser	Gln	Leu	Gly	Lys	Asp	Tyr	Ile	Gln	Leu	Lys	Ser	275	280	285	

protein 2660

Leu	Leu	Gln	Pro	Ile	Arg	Ile	Tyr	Ser	Arg	Ala	Ser	Leu	Tyr	Gly	Pro
290						295					300				
Asn	Ile	Gly	Arg	Pro	Arg	Lys	Asn	Val	Ile	Ala	Leu	Leu	Asp	Gly	Phe
305					310					315					320
Met	Lys	Val	Ala	Gly	Ser	Thr	Val	Asp	Ala	Val	Thr	Trp	Gln	His	Cys
				325					330					335	
Tyr	Ile	Asp	Gly	Arg	Val	Val	Lys	Val	Met	Asp	Phe	Leu	Lys	Thr	Arg
			340					345					350		
Leu	Leu	Asp	Thr	Leu	Ser	Asp	Gln	Ile	Arg	Lys	Ile	Gln	Lys	Val	Val
		355					360					365			
Asn	Thr	Tyr	Thr	Pro	Gly	Lys	Lys	Ile	Trp	Leu	Glu	Gly	Val	Val	Thr
370						375					380				
Thr	Ser	Ala	Gly	Gly	Thr	Asn	Asn	Leu	Ser	Asp	Ser	Tyr	Ala	Ala	Gly
385					390					395					400
Phe	Leu	Trp	Leu	Asn	Thr	Leu	Gly	Met	Leu	Ala	Asn	Gln	Gly	Ile	Asp
				405					410					415	
Val	Val	Ile	Arg	His	Ser	Phe	Phe	Asp	His	Gly	Tyr	Asn	His	Leu	Val
			420					425					430		
Asp	Gln	Asn	Phe	Asn	Pro	Leu	Pro	Asp	Tyr	Trp	Leu	Ser	Leu	Leu	Tyr
		435					440					445			
Lys	Arg	Leu	Ile	Gly	Pro	Lys	Val	Leu	Ala	Val	His	Val	Ala	Gly	Leu
	450					455					460				
Gln	Arg	Lys	Pro	Arg	Pro	Gly	Arg	Val	Ile	Arg	Asp	Lys	Leu	Arg	Ile
465					470					475					480
Tyr	Ala	His	Cys	Thr	Asn	His	His	Asn	His	Asn	Tyr	Val	Arg	Gly	Ser
				485					490					495	
Ile	Thr	Leu	Phe	Ile	Ile	Asn	Leu	His	Arg	Ser	Arg	Lys	Lys	Ile	Lys
			500					505					510		
Leu	Ala	Gly	Thr	Leu	Arg	Asp	Lys	Leu	Val	His	Gln	Tyr	Leu	Leu	Gln
		515					520					525			
Pro	Tyr	Gly	Gln	Glu	Gly	Leu	Lys	Ser	Lys	Ser	Val	Gln	Leu	Asn	Gly
	530					535					540				
Gln	Pro	Leu	Val	Met	Val	Asp	Asp	Gly	Thr	Leu	Pro	Glu	Leu	Lys	Pro
545					550					555					560
Arg	Pro	Leu	Arg	Ala	Gly	Arg	Thr	Leu	Val	Ile	Pro	Pro	Val	Thr	Met
				565					570					575	
Gly	Phe	Phe	Val	Val	Lys	Asn	Val	Asn	Ala	Leu	Ala	Cys	Arg	Tyr	Arg
			580				585						590		

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